

## PRODUCTION OF MAGNETIC RECORDING MEDIUM

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### Abstract

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**PURPOSE:** To suppress damaging of a magnetic head and magnetic recording medium by forming a lubricating film having a uniform thickness, increasing the binding force between the lubricating film and protective film and decreasing the splashing of the lubricating film by repetition of rotational contact.

**CONSTITUTION:** A magnetic film 6 and the protective film 5 are successively formed on an underlying substrate 7 and thereafter, a film 3 consisting of an org. fluorinated compd. having a hydrophilic group and a film 4 consisting of perfluoroalkyl polyether are successively formed on the protective film 5, by which the magnetic recording medium 1 is obtd. Since this org. fluoride compd. 3 having the hydrophilic group is coated independently on the protective film 5, the hydrophilic group which is liable to be bonded to the protective film 5 has the higher tendency to come into contact with the protective film, thus bonding strongly to the protective film. The org. fluorinated compd. has high affinity to the perfluoroalkyl polyether as well. The org. fluorinated compd. having the hydrophilic group is exemplified by the perfluoroalkyl polyether having a carbonyl group, etc., and has the good affinity to the protective film and high bonding strength. The splashing of the lubricating film is thus decreased.

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